

## WEST Search History





DATE: Monday, May 30, 2005

| Hide?                    | <u>Set</u><br><u>Name</u> | <u>Query</u>   | <u>Hit</u><br><u>Count</u> |
|--------------------------|---------------------------|--|----------------------------|
|                          |                           | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>                                    |                            |
| <input type="checkbox"/> | L12                       | ('6647328' '6650233' '6240347' '5086385' '6420975' '5737485' '6230138' '4627091' '5561737')!.PN. | 17                         |
| <input type="checkbox"/> | L11                       | ('6647328' '6650233' '6240347' '5086385' '6420975' '5737485' '6230138' '4627091' '5561737')!.PN. | 17                         |
| <input type="checkbox"/> | L10                       | L8 and voice and (predetermined adj threshold)   | 10                         |
| <input type="checkbox"/> | L9                        | L7 and voice and (predetrmined adj threshold)  | 0                          |
| <input type="checkbox"/> | L8                        | L7 and voice   | 45                         |
| <input type="checkbox"/> | L7                        | L5 and ((signal to noise ratio) or SNR or S/N)   | 57                         |
| <input type="checkbox"/> | L6                        | L5 and ((signal to noise ratio)or SNR or S/N)  | 57                         |
| <input type="checkbox"/> | L5                        | L4 and (interior near2 (vehicle or car or automobile))   | 57                         |
| <input type="checkbox"/> | L4                        | L2 and seat  | 266                        |
| <input type="checkbox"/> | L3                        | L2 and (voice near3 pickup)  | 2                          |
| <input type="checkbox"/> | L2                        | L1 and location  | 2562                       |
| <input type="checkbox"/> | L1                        | (vehicle or car or automobile) and (speech adj recogn\$6)  | 4413                       |

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 17 of 17 returned.

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L11: Entry 1 of 17

File: USPT

Nov 18, 2003

US-PAT-NO: 6650233

DOCUMENT-IDENTIFIER: US 6650233 B2

TITLE: Mirror-based audio system for vehicle

DATE-ISSUED: November 18, 2003

US-CL-CURRENT: 340/425.5; 381/122, 381/365, 381/56, 381/86, 455/569.2, 455/575.9INT-CL: [07] B60 Q 1/00, H04 R 29/00

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L11: Entry 2 of 17

File: USPT

Nov 11, 2003

US-PAT-NO: 6647328

DOCUMENT-IDENTIFIER: US 6647328 B2

TITLE: Electrically controlled automated devices to control equipment and machinery with remote control and accountability worldwide

DATE-ISSUED: November 11, 2003

US-CL-CURRENT: 701/36; 701/2INT-CL: [07] G06 F 7/00

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L11: Entry 3 of 17

File: USPT

Jul 16, 2002

US-PAT-NO: 6420975

DOCUMENT-IDENTIFIER: US 6420975 B1

TITLE: Interior rearview mirror sound processing system

DATE-ISSUED: July 16, 2002

US-CL-CURRENT: 340/815.4; 340/425.5, 381/361, 381/365, 381/56, 381/86INT-CL: [07] B60 Q 1/00, H04 R 29/00

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L11: Entry 4 of 17

File: USPT

May 29, 2001

US-PAT-NO: 6240347

DOCUMENT-IDENTIFIER: US 6240347 B1

TITLE: Vehicle accessory control with integrated voice and manual activation

DATE-ISSUED: May 29, 2001

US-CL-CURRENT: 701/36; 367/197, 367/198, 701/1, 701/49, 704/275

INT-CL: [07] G06 F 7/00, G05 D 1/00, G10 K 11/00, G10 L 11/00

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L11: Entry 5 of 17

File: USPT

May 8, 2001

US-PAT-NO: 6230138

DOCUMENT-IDENTIFIER: US 6230138 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for controlling multiple speech engines in an in-vehicle speech recognition system

DATE-ISSUED: May 8, 2001

US-CL-CURRENT: 704/275; 454/74, 704/231, 704/270, D12/415, D12/421

INT-CL: [07] G10 L 11/00, G10 L 15/20, B01 H 21/84, G05 B 5/00

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L11: Entry 6 of 17

File: USPT

Apr 7, 1998

US-PAT-NO: 5737485

DOCUMENT-IDENTIFIER: US 5737485 A

TITLE: Method and apparatus including microphone arrays and neural networks for speech/speaker recognition systems

DATE-ISSUED: April 7, 1998

US-CL-CURRENT: 704/232; 704/234, 704/241, 704/244

INT-CL: [06] G10 L 9/00, G10 L 5/06

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L11: Entry 7 of 17

File: USPT

Oct 1, 1996

US-PAT-NO: 5561737

DOCUMENT-IDENTIFIER: US 5561737 A

TITLE: Voice actuated switching system

DATE-ISSUED: October 1, 1996

US-CL-CURRENT: 704/275; 379/206.01, 381/110, 381/92, 704/233

INT-CL: [06] G10 L 3/00

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L11: Entry 8 of 17

File: USPT

Feb 4, 1992

US-PAT-NO: 5086385

DOCUMENT-IDENTIFIER: US 5086385 A

TITLE: Expandable home automation system

DATE-ISSUED: February 4, 1992

US-CL-CURRENT: 700/83; 340/825.37, 340/825.69, 340/825.72, 379/102.01, 704/270,

704/272, 704/274, 704/275

INT-CL: [05] G05B 15/02

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L11: Entry 9 of 17

File: USPT

Dec 2, 1986

US-PAT-NO: 4627091

DOCUMENT-IDENTIFIER: US 4627091 A

TITLE: Low-energy-content voice detection apparatus

DATE-ISSUED: December 2, 1986

US-CL-CURRENT: 704/233; 704/253

INT-CL: [04] G10L 5/00

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L11: Entry 10 of 17

File: DWPI

May 29, 2001

DERWENT-ACC-NO: 2001-487911

ABSTRACTED-PUB-NO: US 6240347B

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TITLE: Accessories controlling apparatus for automotive vehicle, has reconfigurable control elements which are reconfigured to selected parameter by either speech processor or display control unit based on token value

INT-CL (IPC): G05 D 1/00, G06 F 7/00, G10 K 11/00, G10 L 11/00

Derwent-CL (DC): P86, T01 , W04 , X22

EPI Codes: T01-C04; T01-J07C; T01-J18; W04-V04A; X22-C05C; X22-E07; X22-J; X22-L;

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L11: Entry 11 of 17

File: DWPI

May 8, 2001

DERWENT-ACC-NO: 2001-564080

ABSTRACTED-PUB-NO: US 6230138B

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TITLE: Speech recognition system for automobile, has speech processor which recognizes the speech commands and subsequently transmit the commands to the voice-activated accessory

INT-CL (IPC): G05 B 5/00, G10 L 11/00, G10 L 15/20

Derwent-CL (DC): P86, T06 , W04 , X22

EPI Codes: T06-A02; W04-V; W04-V01; X22-L;

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L11: Entry 12 of 17

File: DWPI

Oct 7, 2004

DERWENT-ACC-NO: 2001-603824

ABSTRACTED-PUB-NO: EP 1078818A

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TITLE: Interior rearview mirror sound processing system has microphones positioned via apertures within the front of the housing converting signal outputs to digital converters with the audio system

INT-CL (IPC): B60 Q 1/00, B60 R 1/12, B60 R 25/10, G06 F 7/00, G08 B 5/00, H04 B 1/00, H04 R 29/00  
Derwent-CL (DC): Q16, Q17 , U22 , W01 , W04 , X22  
EPI Codes: U22-G05; W01-C01C3C; W01-C01C7; W01-C01D3B; W01-C01G2; W04-G03; W04-V05E; X22-J04; X22-L;

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L11: Entry 13 of 17

File: DWPI

Dec 23, 1999

DERWENT-ACC-NO: 2000-097663  
ABSTRACTED-PUB-NO: US20010056544A  
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TITLE: Real time automated vehicle-equipment management system with remote control and accountability world wide for increasing public safety

INT-CL (IPC): B32 B 31/00, B60 K 31/00, B60 R 25/04, B67 D 5/04, F17 D 1/08, G05 B 23/02, G06 F 7/00, G06 F 11/30, G06 F 12/14, G06 F 17/00, H04 M 11/00  
Derwent-CL (DC): P73, Q13 , Q17 , Q39 , Q69 , T01 , W01 , W02 , W06  
EPI Codes: W01-B05A1A; W02-C03C1A; W06-A03A5;

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L11: Entry 14 of 17

File: DWPI

Apr 7, 1998

DERWENT-ACC-NO: 1998-239583  
ABSTRACTED-PUB-NO: US 5737485A  
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TITLE: Speech signal processing method for recognition system with distant-talking user - using microphone array and neural network to mitigate environmental interference introduced by reverberation, ambient noise and channel mismatch between training and testing conditions

INT-CL (IPC): G10 L 5/06, G10 L 9/00  
Derwent-CL (DC): P86, T01 , W04  
EPI Codes: T01-J18; W04-G; W04-V01;

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L11: Entry 15 of 17

File: DWPI

Nov 15, 1995

DERWENT-ACC-NO: 1995-394097  
ABSTRACTED-PUB-NO: EP 682436A  
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TITLE: Voice activated switching system for communications - uses voting algorithm to select activation of appropriate microphones based upon number of speakers

INT-CL (IPC): G10 L 3/00, H04 M 1/60, H04 M 3/00, H04 M 3/56, H04 M 9/10, H04 R 3/00, H04 R 3/02, H04 R 27/00, H04 R 29/00  
Derwent-CL (DC): P86, T01 , W01 , W04  
EPI Codes: T01-C08A; T01-S; W01-B02; W01-C01C1C; W01-C01G5; W01-C02B1; W04-V04A1;

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L11: Entry 16 of 17

File: DWPI

Feb 4, 1992

DERWENT-ACC-NO: 1992-064542  
ABSTRACTED-PUB-NO: US 5086385A  
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TITLE: Expandable home automation system - is based upon central processor and is connected by data bus to control various products and subsystems within home

INT-CL (IPC): G05B 15/02

Derwent-CL (DC): T01, W01 , W03 , W05

EPI Codes: T01-J07A; W01-B06; W03-G05A; W05-D07A;

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L11: Entry 17 of 17

File: DWPI

Dec 2, 1986

DERWENT-ACC-NO: 1986-339141

ABSTRACTED-PUB-NO: US 4627091A

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TITLE: Low-energy-content voice recognition appts. - stores data corresponding to fixed time period prior to detection of larger-amplitude voiced segment

INT-CL (IPC): G10L 5/00

Derwent-CL (DC): P86, W04

EPI Codes: W04-V;

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